

Purushottam Kumar

4th Year, Information Technology (B. Tech)

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EXPERIENCE

National Institute of Technology, Durgapur — Research Intern

May 2020 - July 2020

I developed a system for generation of Digital academic certificates and verification of these certificates. The title is 'Secure Digital Academic Certificate using Blockchain'. We are using cryptography algorithms for encryption of data and steganography algorithms for hiding the data. Verification of certificate done on a blockchain network. Blockchain provides decentralization to our system.

Indian Institute of Technology, Patna — Research Intern

May 2019 - July 2019

I worked on 'Gender, Age and dialect Recognition using Tweets in a deep learning framework'. We run the model on the dataset of arabic tweets. The model is based on LSTM and uses features extraction algorithms for better results.

EDUCATION

National Institute of Technology, Durgapur — Information Technology (B. Tech)

August 2017 – Present

CGPA : 8.61 (Till 6th sem)

Oriental College, Patna — Intermediate

April 2015 - May 2017

Result : 70% (B.S.E.B.)

PROJECTS

Seat Allocation in Admissions

Nov 2019 - Dec 2019

Our model is a stable-matching algorithm based on Game theory. We developed an algorithm for seat allocations and reallocation in admissions. We modified the 'Gayle-shapley' algorithm for this project.

A project on Steganography and Cryptography

July 2019 - Present

This Project is in progress.

EXPERTISE

- ◆ Information Security
- ◆ Coding

SKILLS

C, Cpp, HTML, Python, Kotlin, Solidity (basics), and Matlab (basics).

Steganography, Cryptography, Game Theory, Deep Learning (basics), Big Data (basics), and Blockchain (basics).

MOST PROUD OF

- Published a research paper named "Gender, Age and dialect Recognition using Tweets in a deep learning framework – Notebook for FIRE 2019" on 12th Dec 2019.
- Presented a paper in 'Young Scientist Conference' at Indian International Science Festival 2020.
- A model named "Earthworm Cultivation using IOT Enable Systems" is selected on Digital India theme in Science Engineering Model Competition at Indian International Science Festival 2019, Kolkata.
- Delegate in Lokmanthan, Ranchi 2018.

LANGUAGES

- ◆ English
- ◆ Hindi
- ◆ Bhojpuri